

2874

IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Mark J Schnitzer

CASE 5

Serial No. 10/082870

Group Art Unit UNKNOWN

Filed February 25, 2002

Examiner

Title Multi-Photon Endoscopy

COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

SIR:

Enclosed is an amendment in the above-identified application.

NO ADDITIONAL FEE REQUIRED

In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Deposit Account No. 12-2325** as required to correct the error.

Respectfully,

John F. McCabe, Attorney  
Reg. No. 42854  
908-582-6866

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Date: June 6, 2003

Docket Administrator (Room 3J-219)  
Lucent Technologies Inc.  
101 Crawfords Corner Road  
Holmdel, NJ 07733-3030

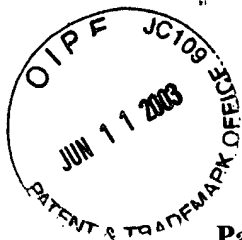
Date of Deposit June 6, 2003

I hereby certify that this correspondence is being deposited with the United States Postal Service First Class Mail in an envelope addressed to: Mail Stop **Non-Fee Amendment**, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated above.

Catherine F. Dugan

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IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

#4/Pre-AmdtA  
6-19-03  
C. Moore

**Patent Application**

Inventors: Mark J. Schnitzer

Case No.: 5

Serial No.: 10/082,870

Group Art Unit: 2874

Filing Date: Feb. 25, 2002

Examiner: Unknown

Title: MULTI-PHOTON ENDOSCOPY

MAIL STOP NON-FEE AMENDMENT  
COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

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Dear Sir:

PRELIMINARY AMENDMENT UNDER 37 C.F.R. §§ 1.115, 1.121

**AMENDMENT**

**REWRITE CLAIM 1 AS:**

1. (Once amended) An apparatus, comprising:  
a non-fiber optical element having a first optical aperture;  
an endoscopic probe having first and second ends, the probe comprising a GRIN  
lens configured to carry illumination light over at least a distance about as long as the  
length of the probe, the first end being positioned to receive the illumination light from  
the first optical aperture; and  
a detector configured to measure values of a characteristic of light emitted from  
the first end in response to multi-photon absorption events produced by the illumination  
light in a sample, the detector configured to produce an output signal for a multi-photon  
image of the sample.

**[REWRITE CLAIM 2 AS:]**

2. (Once amended) The apparatus of claim 1, wherein the probe further  
comprises a prism connected to an end of the GRIN lens.